



Practitioner's Docket No. 2002DE138

PATENT ✓

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Knop, et al.

Application No.: 10/684,624

Group No.:

Filed: 10/14/2003

For: Flame-Retardant Flexible Polyurethane Foams With High Aging Resistance

Commissioner for Patent
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

CERTIFICATION UNDER 37 C.F.R. Sections 1.8(a) and 1.10*
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Applicant: Knop, et al.
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Dear Sir:

In accordance with the duty of disclosure provisions of 37 CFR §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith).

1. ☒ Enclosures accompanying this Information Disclosure Statement are:
 - 1a. ☒ Form PTO-1449.
 - 1b. ☒ Copies of Information Disclosure Statement citations.
 - 1c. ☐ EPO Search Report
 - 1d. ☒ Copies of Co-pending U.S. Applications.
2. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(b) with the filing of the U.S. patent application. Accordingly, no fee or §1.97(e) Statement is required.
3. ☒ This Information Disclosure Statement is filed under 37 CFR §1.97(b) before the latter of three months after the U.S. patent application filing date or the first Office Action on the merits. Accordingly, no fee or §1.97(e) Statement is required.
4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the first Office Action on the merits, but before a Final Office Action or a Notice of Allowance. The \$180.00 fee set forth in 37 CFR §1.17(p) in accordance with 37 CFR §1.97(c) is to be charged to Deposit Account No. 03-2060.
5. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(e) in that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. Accordingly, no fee is required.
6. ☐ This Information Disclosure Statement is filed in conjunction with a Request For Continued Examination. Accordingly, no fee or §1.97(e) Statement is required.

7. ☒ The English language documents identified by reference in the TRANSLATION Section of the foreign patents list of the attached 1449 Form are believed to be a concise statement, or the equivalent or substantial equivalent to the foreign language documents cited in the attached 1449 Form.
8. ☒ In addition to the documents cited, the Office's attention is directed to the following co-pending U.S. Application Serial Number(s):


a. U.S. serial no. 10/684,712, filed 10/14/2003, Knop et al.

9. ☒ The "W. Siefgen in Justus Liebig's Annalen der Chemie", document discloses aliphatic, cycloaliphatic, araliphatic, aromatic or heterocyclic polyisocyanates.

The "Plastics Handbook, Volume VII", pp. 104-123 document discloses an overview of the raw materials, auxiliaries, and additives used for producing polyurethane foams, and the process technology for their production.

The "Plastics Handbook, Volume VI", pp. 139-192 describes the details of the processing equipment used to produce polyurethane foams.

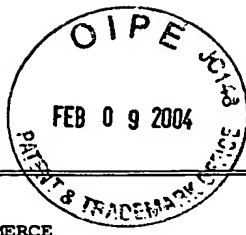
Respectfully submitted,



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CUSTOMER NO. 25,255

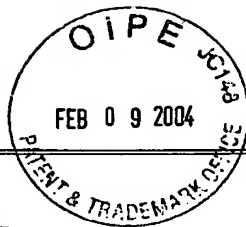
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Facsimile: 704/331-7707



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))	ATTY. DOCKET NO. 2002DE138	SERIAL NO. 10/684,624
	APPLICANT: Knop, et al.	
	FILING DATE: 10/14/03	GROUP:

U.S. PATENT DOCUMENTS

Examiner Initial		Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2,764,565	9/25/56	Hoppe et al.	260	2.5	
	AB	3,580,868	5/25/71	Diehr et al.	260	2.5	
	AC	3,580,890	5/25/71	Diehr et al.	260	77.5	
	AO	3,741,917	6/26/73	Morehouse	260	2.5	
	AE	3,887,483	6/3/75	Morehouse	252	182	
	AE	4,248,930	2/3/81	Haas et al.	428	315	
	AG	4,263,408	4/21/81	Meyborg et al.	521	51	
	AH	5,608,100	3/4/97	Sicken	558	164	
	AI	5,750,601	5/12/98	Staendeke	524	117	
	AJ	5,776,992	7/7/98	Jung et al.	521	106	
	AK	6,251,961	6/26/01	Pirig et al.	521	179	
	AL	6,344,158	2/5/02	Schlosser et al.	252	609	
	AM	6,380,273	4/30/02	Eilbrach et al.	521	108	
	AN	6,472,448	10/29/02	Witte et al.	521	169	
	AO	6,518,325	2/11/03	Witte et al.	521	169	
	AP	6,547,992	4/15/03	Schlosser et al.	252	609	
	AQ	6,593,385	7/15/03	Witte et al.	521	107	
	AR	6,642,284	11/4/03	Thewes et al.	521	146	
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



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				APPLICANT: Knop, et al.			
				FILING DATE: 10/14/03		GROUP:	
FOREIGN PATENT OR PUBLISHED FOREIGN APPLICATION							
		DOCUMENT NUMBER	PUB. DATE	COUNTRY			TRANSLATION
	BA	GB 1,162,517	8/27/69	Great Britain			English
	BB	DE 16 94 142	10/22/70	Germany			See BC Below
	BC	GB 1 211 405	11/4/70	Great Britain			English
	BD	DE 16 94 215	4/8/71	Germany			See AC Above
	BE	DE 17 20 768	7/15/71	Germany			See AB Above
	BF	DE 21 53 086	4/27/72	Germany			See AD & AE Above
	BG	DE 27 32 292	2/1/79	Germany			See AF Above
	BH	DE 28 32 253	1/31/80	Germany			See AG Above
	BI	DE 43 42 972	6/22/95	Germany			See AH Above
	BJ	DE 199 27 548	12/21/00	Germany			See AM Above
	BK						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication**)							
	CA	W.Siefgen in Justus Liebis Annalen der Chemie, 562, pp. 75-136, 12/11/1948.					
	CB	Plastics Handbook, Volume VII, Carl Hanser Verlag, Munich, 1993, pp. 104-123.					
	CC	Plastics Handbook, Volume VI, Carl Hanser Verlag, Munich, 1993, pp. 139-192.					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							